

Abstract

A switching circuit for use at the antenna of a multiband mobile cellular handset comprises an antenna port 10, a TX low band port 14, a TX high band port 12 and at least one RX port 16. A single pole, triple throw solid state voltage-controlled switch made up of four PIN diodes D1 to D4 selectively connects any one of the TX low band port, TX high band port and RX port to the antenna port. No diplexer is used to separate the low and high band parts of the circuit.

(fig. 1)